

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Teck Kheng Lee

Serial No.: 10/800,058

Filed: March 12, 2004

For: INNOVATIVE SOLDER BALL PAD
STRUCTURE TO EASE DESIGN RULE,
METHODS OF FABRICATING SAME
AND SUBSTRATES, ELECTRONIC
DEVICE ASSEMBLIES AND SYSTEMS
EMPLOYING SAME

Confirmation No.: 8448

Examiner: T. Doan

Group Art Unit: 2814

Attorney Docket No.: 2269-5351.1US
(02-0239.01/US)

Notice of Allowance Mailed:

April 20, 2005

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EL994845431US

Date of Deposit with USPS: July 14, 2005

Person making Deposit: Steve Wong

TRANSMITTAL LETTER

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant submits herewith Part B - Fee(s) Transmittal for the above-captioned application and a check in the amount of \$1,715.00 in payment therefor plus five (5) copies of the patent when issued.

Serial No.: 10/800,058

Also, enclosed are Comments on Statement of Reasons for Allowance (2 pages); and Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees (2 pages).

Applicant understands that no additional fees are required. However, if the Office determines that any comparison fees or other additional fees are required, the Commissioner is authorized to charge any such fees to TraskBritt Deposit Account No. 20-1469. A copy of this Transmittal Letter is enclosed for deposit account charging purposes.

Respectfully submitted,



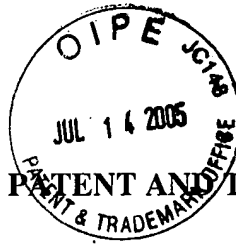
Joseph A. Walkowski
Registration No. 28,765
Attorney for Applicant(s)

TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: July 14, 2005
JAW/ps:slm

Enclosures: Part B - Issue Fee Transmittal
Check No. 21916 in the amount of \$1,715.00
Copy of Transmittal Letter
Comments on Statement of Reasons for Allowance (2 pages)
Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees (2 pages)

Document in ProLaw



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COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

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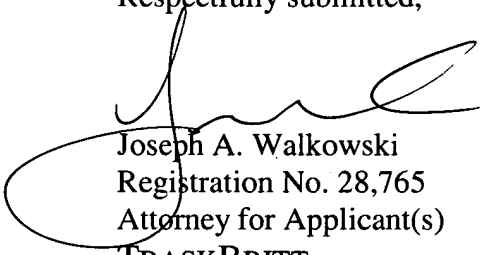
The Examiner indicates:

The prior art of record fails to disclose the combination of a substrate for an electronic device recited in the base claims 1 and 7. Specifically, the

combination of the structure comprising a metal layer defining a terminal pad formed on a surface of the sheet; an insulator mask extending over the sheet and having an aperture therein through which a portion of the terminal pad is exposed; and a bond pad layer comprising at least another metal layer formed over, at most, a portion of the exposed portion of the terminal pad, the bond pad layer extending up a sidewall of the aperture and over a portion of the insulator mask adjacent to the aperture (claim 1); or the combination of the structure comprising an insulator mask extending over the sheet and having an aperture therein through which a portion of the terminal pad is exposed, the exposed portion of the terminal pad having a centroid; and a bond pad layer comprising at least a metal layer formed over at least a portion of the exposed portion of the terminal pad, extending up a sidewall of the aperture and over a portion of the insulator mask adjacent to the aperture, the bond pad layer further comprising a plurality of apertures through which portions of the terminal pad are exposed (claim 7).

Applicants concur with the reasons as stated by the Examiner insofar as they comprise a summary, and are exemplary and not limiting. However, the independent claims as allowed include other and different language than that specified by the Examiner, and the allowed dependent claims include other and further features and elements. Accordingly, the scope of the claims must be determined from the literal language of each as a whole, as well as equivalents thereof.

Respectfully submitted,



Joseph A. Walkowski
Registration No. 28,765
Attorney for Applicant(s)

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